



**NATIONAL  
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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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**AGRICULTURAL NEWS:** A mid-week system did little to alleviate the high temperatures or lack of significant precipitation as soil moisture and crop conditions continued to decline last week. **Topsoil moisture** was rated as 30 percent very short, 33 percent short, 36 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated as 22 percent very short, 39 percent short and 39 percent adequate. There were 6.3 days out of a possible 7 that were suitable for fieldwork. Main activities for the week included spraying crops, harvesting hay, topping tobacco, and preparing for harvest.

**ROW CROPS:** A few corn and soybean fields have reported pest and worm problems, but the major issue remains to be a lack of rain and very high temperatures. Corn silking has reached 94 percent, slightly behind the five-year average of 97 percent and the 95 percent reported last year. Percent of corn that has reached the milk stage was at 83 percent, well ahead of the 66 percent a year ago and 76 percent for the average. Corn dough is at 59 percent, ahead of last year's 36 percent and the average of 51 percent. Corn dented was at 42 percent. It was 19 percent a year ago with an average of 27 percent. Corn crop condition was rated at 7 percent very poor, 12 percent poor, 28 percent fair, 39 percent good, and 14 percent excellent. If ear quality continues to decline, some farmers may harvest early to preserve their yields. Soybeans continue to progress ahead of schedule. By August 8, 87 percent of soybeans had reached the blooming stage, compared to 76 percent for 2009 and the average of 78 percent. Though the quality of pod-fill may still be in question, 64 percent of soybeans have set pods. This compares to 45 percent last year and the five year average of 51 percent. The condition of the soybean crop was reported as 6 percent very poor, 13 percent poor, 37 percent fair, 29 percent good, and 15 percent excellent.

**TOBACCO:** Dark tobacco bloomed was at 89 percent, while burley had 78 percent bloomed. A year ago it was 86 and 68 with an average of 74 and 68, respectively. Percent of dark tobacco topped was

73 percent, same as the average, but above 67 percent last year. Fifty-five percent of the burley was topped, ahead of the 48 percent for 2009 and 49 for the average. There were scattered reports of problems with disease and pests in the tobacco. The condition of the tobacco was reported as 1 percent very poor, 7 percent poor, 25 percent fair, 50 percent good and 17 percent excellent.

**OTHER CROPS AND PASTURE:** Pastures were rated as 6 percent very poor, 18 percent poor, 25 percent fair, 44 percent good, and 7 percent excellent. Farmers took advantage of the weather this week to harvest hay. The hay crop condition was rated 4 percent very poor, 14 percent poor, 24 percent fair, 47 percent good, and 11 percent excellent.

## CROP PROGRESS for week ending 08/08/10

| Crop Stage              | This Week | Last Week | Last Year | 5-Yr Avg |
|-------------------------|-----------|-----------|-----------|----------|
| Percent                 |           |           |           |          |
| Corn Silking            | 94        | 90        | 95        | 97       |
| Corn Milked             | 83        | 67        | 66        | 76       |
| Corn Dough              | 59        | 43        | 36        | 51       |
| Corn Dent               | 42        | 16        | 19        | 27       |
| Soybeans Blooming       | 87        | 80        | 76        | 78       |
| Soybeans Setting Pods   | 64        | 45        | 45        | 51       |
| Burley Tobacco Blooming | 78        | 58        | 68        | 68       |
| Burley Tobacco Topped   | 55        | 33        | 48        | 49       |
| Dark Tobacco Blooming   | 89        | 80        | 86        | 74       |
| Dark Tobacco Topped     | 73        | 58        | 67        | 73       |

## SOIL MOISTURE for week ending 08/08/10

|         | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| Percent |            |       |          |         |
| Topsoil | 30         | 33    | 36       | 1       |
| Subsoil | 22         | 39    | 39       | 0       |

## CROP CONDITIONS for week ending 08/08/10

| Crop      | Very Poor | Poor | Fair | Good | Ex |
|-----------|-----------|------|------|------|----|
| Percent   |           |      |      |      |    |
| Corn      | 7         | 12   | 28   | 39   | 14 |
| Soybeans  | 6         | 13   | 37   | 29   | 15 |
| Pasture   | 6         | 18   | 25   | 44   | 7  |
| Hay Crops | 4         | 14   | 24   | 47   | 11 |
| Tobacco   | 1         | 7    | 25   | 50   | 17 |

## **KENTUCKY WEATHER SUMMARY, AUGUST 2 - 8, 2010:**

### **Above Normal Temperature and Below Normal Rainfall:**

This past week was another hot one, with multiple days having heat indices above 100 degrees. In fact, Wednesday the entire state had a heat index above 100 degrees, with the western portion of the Commonwealth having heat indices above 110 degrees. The heat and humidity put livestock heat stress in the emergency category several times early in the week, especially in the west, until a cold front moved across the state Thursday, cooling things off a bit. The cold front brought in the only rainfall for the week, which was light and fell mainly in the northern and eastern parts of the state. This left the Western climate division with the least amount of rain in the state for the 4th straight week.

Temperatures for the period averaged 79 degrees across the state which was 4 degrees above normal and equal to last week's average. High temperatures averaged from 92 in the West to 89 in the East. Departure from normal high temperatures ranged from 4 degrees above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 70 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 3 degrees above normal in the East.

Rainfall for the period totaled 0.14 inches statewide which was 0.70 inches below normal. Rainfall totals by climate division, West 0.07 inches, Central 0.12 inches, Bluegrass 0.12 inches and East 0.24 inches, which was 0.72, 0.73, 0.74 and 0.64 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Berea to a high of 0.41 inches at Bardstown.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, AUGUST 8, 7:00 P.M.**

| Weather Station | Rainfall  |               |               | Deviation From    |                 | Air Temperature      |     |            |                | Growing Degree Days |              |                   |
|-----------------|-----------|---------------|---------------|-------------------|-----------------|----------------------|-----|------------|----------------|---------------------|--------------|-------------------|
|                 | Last Week | Since April 1 | Last Four Wks | Norm Since Apr. 1 | Norm Last 4 Wks | High                 | Low | Wkly. Avg. | Dev. From Norm | Last Week           | Since Apr. 1 | Dev. Since Apr. 1 |
|                 |           | (Inches)      |               |                   |                 | (Degrees Fahrenheit) |     |            |                |                     |              |                   |
| Bardstown       | 0.41      | 20.25         | 5.05          | +2.23             | +0.81           | 99                   | 62  | 80.4       | +5             | 195                 | 2775         | +422              |
| Berea           | 0.00      | 22.73         | 4.98          | +4.26             | +1.10           | 95                   | 58  | 76.6       | +2             | 177                 | 2627         | +204              |
| Bowling Green   | 0.02      | 24.95         | 4.50          | +5.87             | +0.54           | 100                  | 64  | 82.4       | +7             | 196                 | 2938         | +485              |
| Bristol         | 0.36      | 9.46          | 1.91          | -6.42             | -1.70           | 96                   | 63  | 79.8       | +5             | 185                 | 2647         | +416              |
| Buckhorn Lake   | 0.05      | 15.78         | 2.87          | -2.01             | -1.19           | 95                   | 58  | 77.2       | +3             | 181                 | 2561         | +437              |
| Cape Girardeau  | 0.00      | 16.06         | 1.49          | -1.47             | -1.69           | 95                   | 65  | 76.1       | -1             | 167                 | 2939         | +355              |
| Campbellsville  | 0.02      | 25.86         | 6.43          | +5.22             | +1.79           | 96                   | 60  | 77.8       | +2             | 183                 | 2708         | +315              |
| Covington       | 0.36      | 17.48         | 2.73          | +0.51             | -0.87           | 99                   | 59  | 78.0       | +3             | 182                 | 2618         | +416              |
| Cumberland Gap  | 0.14      | 18.05         | 5.64          | -1.49             | +1.12           | 94                   | 62  | 78.9       | +4             | 188                 | 2730         | +529              |
| Dix Dam         | 0.01      | 22.93         | 4.70          | +4.33             | +0.49           | 97                   | 61  | 78.4       | +4             | 185                 | 2694         | +333              |
| Evansville      | 0.31      | 12.68         | 3.10          | -4.42             | -0.31           | 102                  | 62  | 81.5       | +4             | 192                 | 2867         | +413              |
| Glasgow         | 0.00      | 21.45         | 5.57          | +0.89             | +1.10           | 98                   | 62  | 79.7       | +4             | 190                 | 2841         | +478              |
| Grayson         | 0.40      | 23.57         | 6.24          | +6.01             | +2.14           | 95                   | 58  | 75.9       | +1             | 173                 | 2564         | +493              |
| Hardinsburg     | 0.00      | 18.35         | 2.65          | -0.37             | -1.40           | 100                  | 60  | 79.3       | +4             | 183                 | 2762         | +309              |
| Henderson       | 0.01      | 14.38         | 3.03          | -3.13             | -0.43           | 98                   | 58  | 78.5       | +1             | 179                 | 2796         | +312              |
| Huntington      | 0.59      | 21.11         | 5.82          | +3.60             | +1.62           | 96                   | 62  | 77.7       | +3             | 184                 | 2666         | +434              |
| Jackson         | 0.02      | 18.76         | 2.17          | +0.08             | -2.25           | 95                   | 63  | 78.6       | +4             | 188                 | 2709         | +585              |
| Lexington       | 0.00      | 22.89         | 4.44          | +4.87             | +0.20           | 96                   | 61  | 78.6       | +4             | 187                 | 2688         | +456              |
| London          | 0.23      | 17.21         | 4.17          | -0.20             | +0.24           | 95                   | 61  | 78.6       | +4             | 187                 | 2707         | +506              |
| Louisville      | 0.26      | 22.00         | 4.84          | +4.27             | +1.02           | 102                  | 67  | 83.2       | +8             | 204                 | 3051         | +589              |
| Mayfield        | 0.00      | 12.80         | 1.68          | -6.11             | -2.21           | 100                  | 60  | 82.9       | +6             | 193                 | 2910         | +396              |
| Nashville       | 1.67      | 32.42         | 6.29          | +14.74            | +2.84           | 101                  | 67  | 84.2       | +9             | 202                 | 3032         | +410              |
| Nolin Lake      | 0.04      | 22.34         | 5.82          | +2.39             | +1.59           | 96                   | 60  | 78.5       | +3             | 184                 | 2739         | +477              |
| Paducah         | 0.00      | 12.80         | 1.10          | -6.25             | -2.47           | 104                  | 64  | 84.9       | +8             | 201                 | 2971         | +418              |
| Princeton       | 0.11      | 21.37         | 1.97          | +2.44             | -1.83           | 101                  | 64  | 82.1       | +5             | 193                 | 2904         | +382              |
| Quicksand       | 0.25      | 16.21         | 2.59          | -2.47             | -1.83           | 96                   | 61  | 78.4       | +4             | 180                 | 2670         | +546              |
| Somerset        | 0.22      | 23.71         | 5.91          | +4.15             | +1.74           | 95                   | 62  | 78.1       | +3             | 186                 | 2662         | +370              |
| Spindletop      | 0.05      | 20.73         | 4.55          | +2.71             | +0.31           | 96                   | 61  | 79.0       | +4             | 189                 | 2696         | +464              |
| Williamstown    | 0.31      | 20.43         | 2.99          | +2.61             | -0.90           | 97                   | 60  | 77.0       | +2             | 179                 | 2598         | +366              |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>